

Title (en)  
FOAMABLE POLYESTERS BRANCHED WITH ETHYLENE COPOLYMERS

Title (de)  
SCHÄUMBARE POLYESTER, VERZWEIGT MIT ETHYLENCOPOLYMEREN

Title (fr)  
POLYMERES EXPANSIBLES RAMIFIES PAR DE COPOLYMERES D'ETHYLENE

Publication  
**EP 0824561 A1 19980225 (EN)**

Application  
**EP 96915436 A 19960430**

Priority  
• US 9606092 W 19960430  
• US 43812095 A 19950508

Abstract (en)  
[origin: US5482977A] Disclosed are branched polyester compositions having an I.V. of at least about 0.7 dl/g and a melt viscosity sufficiently high to permit foaming during extrusion or molding operations. These branched polyesters are readily foamable with a wide range of foaming agents to provide low density shaped articles, films, and sheets. The branched polyesters comprise about 80 to about 99.9 wt % of a polyester and about 0.1 to about 20 wt % of an ethylene copolymer containing repeat units of ethylene and of a monomer selected from the group comprising acrylic acid, methacrylic acid, alkyl acrylate, alkyl methacrylate and vinyl alcohol. The polyester comprises repeat units from about 75 to 100 mol % of a dibasic acid having from about 6 to about 40 carbon atoms and 0 to about 25 mol % of a modifying dibasic acid and repeat units from about 75 to 100 mol % of a glycol having from about 2 to about 10 carbon atoms, 0 to about 25 mol % of a modifying glycol and 0 to about 25 mol % of a modifying compound selected from the group comprising amino alcohols, diamines and lactams.

IPC 1-7  
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IPC 8 full level  
**C08J 9/04** (2006.01); **C08J 9/00** (2006.01); **C08L 67/00** (2006.01); **C08L 67/02** (2006.01); **C08L 77/12** (2006.01)

CPC (source: EP US)  
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